DVG-2101SP
VOIP

Specification:

Key Components / Performance	
CPU	MPS
DSP	LSI ZSP400/110MHz
Port Functions	
LAN	1 x 10/100 BaseT ports Compliant to following standards: 1. IEEE 802.3 (10BASE-T) 2. IEEE 802.3u (100BASE-TX) 3. IEEE 802.3x (Full-Duplex) 4. Support Full-Duplex operations
Phone Ports	2 x Phone port 1. Type of Circuit : Analog Circuit (FXS) 2. Connector Type : RJ11 connector 3. PSTN (Backup)

WAN:

- One 10/100Mbps auto-MDI/MDIX Ethernet port
- WAN type: Static IP, PPPoE, DHCP Client, BigPond
- NAT Traversal: Outbound Proxy, STUN, UPnP
- NTP
- DDNS
- RJ-45 Connector
- Bridge mode

Call features:

Call Hold, Call Waiting, Cancel Call Waiting, Caller ID with Name/Number (Multinational),
Caller ID Blocking. Call Waiting Caller ID with Name/Number.
Call Forward - Unconditional, Busy, No Answer, Do Not Disturb.
Call Transfer - Unattended, Attended, Call Blocking with Toll Restriction, Delayed Disconnect
Distinctive Ringing- Calling and Called Number, Off-Hook Warning Tone, Speed Dialing, Repeat Dialing, Three Way Calling (Media Server required)

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Software Features:

- RFC1889 RTP: A Transport Protocol for Real-Time Applications
- ARP Address Resolution Protocol
- RFC2327 Session Description Protocol
- RFC2543 SIP: Session Initiation Protocol
- RFC2833 RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals
- RFC2880 Internet Fax T.30 Feature Mapping
- RFC2976 The SIP INFO Method
- RFC3261 SIP: Session Initiation Protocol
- RFC3262 Reliability of Provisional Responses in Session Initiation Protocol (SIP)
- RFC3263 Session Initiation Protocol (SIP): Locating SIP Servers
- RFC3264 An Offer/Answer Model with Session Description Protocol (SDP)
- RFC3265 Session Initiation Protocol (SIP)-Specific Event Notification
- RFC3311 The Session Initiation Protocol (SIP) UPDATE Method
- RFC3325 Private Extensions to the Session Initiation Protocol (SIP) for Asserted Identity within Trusted Networks
- RFC3362 Real-time Facsimile (T.38) – image/t38 MIME Sub-type Registration
- RFC3389 Real-time Transport Protocol (RTP) Payload for Comfort Noise (CN)
- EFC3489 STUN - Simple Traversal of User Datagram Protocol (UDP) Through Network Address Translators (NATs)
- RFC3428 Session Initiation Protocol (SIP) Extension for Instant Messaging
- RFC3515 The Session Initiation Protocol (SIP) Refer Method
- RFC3550 RTP: A Transport Protocol for Real-Time Applications
- RFC3581 An Extension to the Session Initiation Protocol (SIP) for Symmetric Response Routing
- RFC3665 Session Initiation Protocol (SIP) Basic Call Flow Examples
- RFC3824 Using E.164 numbers with the Session Initiation Protocol (SIP)
- RFC3841 Caller Preferences for the Session Initiation Protocol (SIP)
- RFC3842 A Message Summary and Message Waiting Indication Event Package for the Session Initiation Protocol (SIP)
- RFC3891 The Session Initiation Protocol (SIP) "Replaces" Header
- RFC3892 The Session Initiation Protocol (SIP) Referred-By Mechanism
- RFC3960 Early Media and Ringing Tone Generation in the Session Initiation Protocol (SIP)
- RFC4028 Session Timers in the Session Initiation Protocol (SIP)

Voice

- SIPv2 (RFC3261) compliance
- SIP Proxy Redundancy: Dynamic via DNS SRV, A Records Re-registration with Primary SIP Proxy Server.
- Secure(Encrypted) Calling via Pre-Standard Implementation of Secure RTP.
- SIP Extension: Session Timer , Proxy-Require,
- MD5 Authentication for SIP
- SIP NAT Keep Alive Time
- Flash Hook Timer
- MWI- Message Waiting Indicator Tones
- VMWI- Via FSK
- Streaming Audio Server- UP to 10 Sessions
- Voice Compression: G.711 a/u-law , G.726, G.729A/B, G.723.1
- CNG and VAD
- Silence suppression & detection
- G.165/G.168 Echo Cancellation
- Adaptive jitter buffer
- Programmable gain control
- In-band DTMF
- Out-of-band DTMF relay: RFC2833/ SIP info
- DTMF, Pulse dial support
- Termination Impedance: 600/900& complex Impedance
- Failover SIP Proxy server registrations
- T.30 FAX pass through, T.38 real time FAX relay
- Caller ID: DTMF, FSK-Bellcore, FSK-ETSI detection and generation
- Telephone book
- Hot Line and Warm Line Calling

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